

### ABSTRACT OF THE DISCLOSURE

Useful information taking the form of an analog or digital voltage is communicated between a transmitter and a receiver using UWB signals. The transmitter includes a subcarrier modulator, a high frequency oscillator and a transmission antenna and the receiver includes a reception antenna and an amplifier and a demodulator for discriminating the useful information in a signal received at the reception antenna. On transmission, the method generates a narrow frequency band high frequency carrier, modulates the high frequency carrier using a subcarrier with a modulation index at least equal to 10, and modulates the subcarrier using the useful information. On reception, the method demodulates the carrier to extract therefrom the subcarrier and demodulates the subcarrier to extract therefrom the useful information.